

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 9. (Cancelled).

10. (Original) The printhead of claim 45 wherein the structure and the walls are integrally formed by chemical vapor deposition (CVD).

11. – 23. (Cancelled).

24. (Original) The system of claim 46 wherein the structure and the walls are integrally formed by chemical vapor deposition (CVD).

25. – 44. (Cancelled).

45. (Original) An ink jet printhead comprising:

a structure being less than 10 microns thick;

a plurality of nozzles incorporated on the structure;

at least one wall corresponding to each nozzle, the at least one wall being integrally formed with, and extending from, the structure and forming a circumferential perimeter that together with the structure defines a chamber in communication with the respective nozzle for receiving a bubble forming liquid; and

at least one respective heater element corresponding to each nozzle, wherein

each element is arranged for being in thermal contact with the bubble forming liquid, and

each element is configured to heat at least part of the bubble forming liquid to a temperature above its boiling point to form a gas bubble therein thereby to cause the ejection of a drop of the bubble forming liquid through the nozzle corresponding to that element.

46. (Original) A printer system incorporating a printhead, the printhead comprising:

a structure being less than 10 microns thick;

a plurality of nozzles incorporated on the structure

at least one wall corresponding to each nozzle, the at least one wall being integrally formed with, and extending from, the structure and forming a circumferential perimeter that

together with the structure defines a chamber in communication with the respective nozzle for receiving a bubble forming liquid; and
at least one respective heater element corresponding to each nozzle, wherein
each element is arranged for being in thermal contact with the bubble forming liquid, and
each element is configured to heat at least part of the bubble forming liquid to a temperature above its boiling point to form a gas bubble therein thereby to cause the ejection of a drop of the bubble forming liquid through the nozzle corresponding to that element.

47. (Original) A method of ejecting a drop of a bubble forming liquid from a printhead, the printhead comprising a structure being less than 10 microns thick;

a plurality of nozzles incorporated on the structure; at least one wall corresponding to each nozzle, the at least one wall being integrally formed with, and extending from, the structure and forming a circumferential perimeter that together with the structure defines a chamber in communication with the respective nozzle for receiving the bubble forming liquid; and at least one respective heater element corresponding to each nozzle, the method comprising the steps of:

providing the printhead;

heating at least one element corresponding to a said nozzle so as to heat at least part of a bubble forming liquid which is in thermal contact with the at least one heated element to a temperature above the boiling point of the bubble forming liquid;

generating a gas bubble in the bubble forming liquid by said step of heating; and

causing the drop of bubble forming liquid to be ejected through the nozzle corresponding to the at least one heated element by said step of generating a gas bubble.